

Amendments to the Claims:

This listing of claims will replace all prior versions and listings of claims in the application:

1-4. (cancelled)

5. (new) A programmable gain amplifier (PGA) comprising:
an input that receives an input signal to be amplified;
a plurality of impedances coupled to divide the input signal into a plurality of voltage levels;
a plurality of amplifier circuits coupled to receive the plurality of voltage levels; and
a plurality of switches that disconnect each of the amplifier circuits from a power supply, thereby deactivating each amplifier.

6. (new) The programmable gain amplifier as in claim 5, wherein the plurality of switches that disconnect each of the amplifier circuits from a power supply, disconnect each amplifier by disconnecting the amplifier from ground.

7. (new) The programmable gain amplifier as in claim 5, wherein the plurality of switches that disconnect each of the amplifier circuits from a power supply, disconnect each amplifier by disconnecting the amplifier from ground.

8. (new) The programmable gain amplifier as in claim 5, wherein the plurality 5, wherein the plurality of switches comprise a plurality of semi-conductor devices.

9. (new) The programmable gain amplifier as in claim 5, wherein the plurality 5, wherein the plurality of amplifiers comprise a plurality of semi-conductor devices.

10. (new) The programmable gain amplifier as in claim 9, wherein the semi-conductor devices comprise MOS (metal oxide semi-conductor) devices.

11. (new) The programmable gain amplifier as in claim 9, wherein the semi-conductor devices comprise MOS semi-conductor devices.